



United States Environmental Protection Agency
Region 10 Emergency Response Unit
POLLUTION REPORT

I. HEADING

Date: March 27, 2000
Subject: CleanCare Removal Site (CleanCare), Tacoma, Washington
From: Michael Szerlog, OSC, USEPA, Region 10, Emergency Response Unit
Tel: Office (206) 553-0279
TO: See Distribution List on last page

POLREP No.15 (Progress)

II. BACKGROUND

Site ID: SSID # 106W
Delivery Order No: 081-10 -02
Response Authority: CERCLA,
CERCLIS No: WASFN1002182
NPL Status: Not Listed (former RCRA site within Commencement Bay Superfund site)
State Notification: Washington State Department of Ecology referred site to EPA
Action Memo Status: Signed on December 17, 1999 and January 7, 2000
Removal Start Date: December 17, 1999
Expected Completion Date: March 17, 2001
Site Web Page: www.epa.gov/r10earth, click Index, click C for CleanCare. or use URL: <http://epainotes1.rtpnc.epa.gov:7777/r10/cleanup.nsf/sites/CleanCare>

III. SITE INFORMATION

A. Incident Category

This is a time-critical removal action at an inactive waste management facility

B. Site Description

1. Site Location

The CleanCare site is located at 1510 Taylor Way in Pierce County, City of Tacoma, Washington at Township 21, Range 3 E. in Section 26. The site comprises approximately 4.2 acres latitude 47° 16' 25" North and longitude 122° 23' 32" West. The site is located in the ATacoma Tideflats area about three miles northeast of downtown Tacoma. The site is owned by David Bromley of Bromley-Marr ECOS Inc.

The CleanCare site was an interim status treatment, storage, disposal, and recycling (TSD) facility for off-site generated hazardous and non-hazardous wastes - one of a handful of commercial TSDs operating in the state of Washington. When the facility was in operation its major function was to solidify oily sludge wastes originating from catch basins, sumps, and storm drains; recycle waste oils, antifreeze, and spent solvents; and crush used oil filters for off-site recycling by other facilities.

The CleanCare facility has four separate tank farms (Tank Farm (TF)-1, TF-2, TF-3, and TF-4), two hazardous/dangerous waste container storage pads (container storage (CS) CS-4A and CS 4-B), and a processing area where the distillation of solvent, oil, and antifreeze used to occur.

IV. Response Information

A. Situation

1. Current Situation

March 20, 2000 (Monday)

Personnel on site: 6 START, ERRS 15, 2 USCG, 3 EPA

Weather : Morning fog to partly sunny, temps 40 to 55 F.

All site personnel attended daily safety meeting and discussed site safety and planned activities. START continued to collect sampling data from unknown drums to assist in hazcatting, Reviewed the ERRS hazcat and data recording process, Oversaw and documented generator drum removal (21 drums shipped today), Continued finalizing air sampling requirements for tank transferring operations, Restocked site sampling supplies, Completed and distributed Polrep 14. ERRS continued treating contact water, Hazcatting unknown drum samples, reorganized drum hazcatting documentation, and pumped 1,500 gallons of oily water off the roof of Tank 1 into Baker Tank 10.

March 21, 2000 (Tuesday)

Personnel on site: 5 START, 15 ERRS, 2 USCG, 1 EPA. Additional \$1,000,000.00 ceiling added for ERRS contractor.

Weather: Morning intermittent light rain, afternoon partly sunny, temperatures ranging from low 40's to low 60's F.

All site personnel attended daily safety meeting and discussed site safety and planned activities. START set up perimeter air monitoring locations for tank transferring operations and began monitoring continuously throughout operations, Collected sample of treated stormwater from Baker Tank 22 (Batch 11) for potential discharge to the City of Tacoma Sanitary Sewer, Continued updating hazcat data and coordinating data management with ERRS. ERRS continued treating contact stormwater, Staged and segregated the drums into proper waste groups, Reorganized drum hazcatting data, Began tank transferring operation of first layer at Tank 1 (8 truck loads shipped out by Emerald Services totaling 38,718 gallons).

March 22, 2000 (Wednesday)

Personnel on site: 5 START, 15 ERRS, 2 USCG, 1 EPA

Weather: Cloudy, steady rain, low wind, temperatures in the 40's

All site personnel attended daily safety meeting and discussed site safety and planned activities. START applied for and

received permission to discharge a batch of treated stormwater,

Provided continuous air monitoring during tank transferring

operations, Continued updating hazcat and sampling data. ERRS

continued treating contact stormwater, Discharged 20,000 gallons

of treated stormwater to the City of Tacoma Sanitary Sewer,

Continued tank transferring operation of first layer at Tank 1 (7 truck loads shipped out by Emerald Services totaling 34,507 gallons) and

second layer at Tank 1 (1 truck load shipped out by Phillips totaling

4,131 gallons). Emerald Services also collected 15,000 gallons of

wastewater from Tank 6 and pumped off 5,000 gallons of

wastewater from the secondary containment at Tank Farm 1.

March 23, 2000 (Thursday)

Personnel on site: 5 START, 17 ERRS, 2 USCG, 0 EPA

Weather: Partly cloudy, moderate winds, temperatures in the 40's

All site personnel attended daily safety meeting and discussed site

safety and planned activities. START applied for and received

permission to discharge a batch of treated stormwater, Provided

continuous air monitoring during tank transferring operations,

Collected samples from two different phases of materials located in

Baker Tank 19, Set up locations for air sampling, Continued

updating hazcat and sampling data. ERRS continued treating

contact stormwater, Discharged 20,000 gallons of treated

stormwater to the City of Tacoma Sanitary Sewer, Continued tank

transferring operation of second layer at Tank 1 (6 truck loads

shipped out by Phillips totaling 30,306 gallons). Emerald Services also collected 10,666 gallons of wastewater from Baker Tank 6 and Spencer Environmental pumped off 5,000 gallons of antifreeze from Baker Tank 18.

March 24, 2000 (Friday)

Personnel on site: 6 START, 16 ERRS, 2 USCG, 1 EPA

Weather: Mostly sunny, light breeze, high in the mid 50's. All site personnel attended daily safety meeting and discussed site safety and planned activities. START collected sample of treated stormwater from Baker Tank 16 (Batch 12) for potential discharge to the City of Tacoma Sanitary Sewer, Prepared sample containers for the next week's sampling events, Continued updating hazcat data and coordinating data management with ERRS. ERRS continued treating contact stormwater, Processed oil filter drums into roll-off boxes (20 cubic yards), Cleaned Baker Tank 6, Pumped glycol drums into Baker Tank 18 (5000 gallons), Pumped A-Fuels and spent solvents into Baker Tank 9 (3,000 gallons), Disposed of non-RCRA debris into non-RCRA drop-box, Reorganized drum hazcatting paperwork.

March 25, 2000 (Saturday)

Personnel on site: 3 START, 0 ERRS, 0 USCG, 0 EPA

Weather: Mostly cloudy, light breeze, temperatures in the 40's to low 50's. START inventoried drums and other containers in Building 3, Continued preparing sample containers for the next week's sampling events, Continued updating hazcat data.

2. Removal Actions to Date

On January 7, 2000, the Action Memorandum to increase site ceiling, to ask for a \$2 million exemption, a 12-month exemption, and a change of scope was signed. A purchase request was also signed and ERRS was funded, incrementally, to begin removal activities.

The State (Washington Department of Ecology) and the City (City of Tacoma Public Works) continue to provide assistance with discharge of treated contact water.

Drums -

Oil Filter Drums: This phase of the project is completed.

RCRA Drums: Finished segregation and inventory of all non oil filter drums known to be located on the site (formerly referred to as RCRA drums). Selected generators have removed a total of 570 drums and 12 totes of waste. Remaining drums undergoing segregation and bulking with similar waste streams prior to disposal.

Oil Drums in Building #5: Continued sampling and collecting data for the

oil drums located in the southern portion of Building #5 and performing Hazard Categorization tests on these samples. The material from 116 of these drums and 4 totes was pumped into a 6,000 gallon storage tank to reduce disposal costs. Disposal facility to be determined.

Antifreeze Drums: Antifreeze from 65 drums was pumped into Baker Tank #18 and removed by Emerald Services. All identified drums of antifreeze (108) have been inventoried and staged north of BT #18 for bulking prior to disposal.

Solvent Drums: All identified drums of spent solvent have been inventoried. All Spent Solvent drums have been pumped into Baker Tank #9 for bulking prior to disposal. Disposal facility to be determined.

Glycol Drums: 5,000 gallons of glycol have been pumped into Baker Tank #18 for bulking prior to disposal. Disposal facility to be determined.

Baker Tanks - To date 319,708 gallons of stormwater has been hauled off-site by Emerald Services for disposal. Treated and discharged 8 batches (approximately 160,000 gallons total) of waste water to the City of Tacoma Sanitary Sewer System. Baker Tanks are decontaminated and returned to the vendor after they are emptied.

Surface Water - This week, continued treating contact surface water and decontamination water with the temporary waste water treatment system.

ASTs - To date all of the ASTs in Tank Farm 1 (T-1, T-3, T-4, and T-5) and Tank Farm 2 (T-7, T-8, T-9, T-10, T-11, T-12, T-13, T-14, and T-15) have been sampled. The contents of Tank Farm 3 (T- 18, T-19, T-20, T-21, T-22, T-23, T-24 and T-25) has been determined using an oil/water interface probe. To date 109,162 gallons have been removed from T-1, 107,662 gallons of which have been disposed of off site.

Soil - No work was performed this week regarding site soils. To date, 14 soil samples were collected during the assessment phase to characterize site soils.

3.Enforcement

The Region currently has some information regarding potential responsible parties (PRPs) at the site. EPA intends to gather additional PRP information during the removal action.

B.Planned Removal Activities

To minimize/eliminate to threat to human health and the environment posed by the wastes on the site, the following removal activities are planned:

Drums: organization of drums and documents (manifests & profile analyses), hazard categorization and disposal tests, and removal of containers from the site.

Baker Tanks: The waste water from some tanks will continue to be treated on site and discharged. At the same time, waste water from other Baker Tanks will continue to be shipped off site. As tanks are emptied, they will be returned to the rental company.

Surface Water: manage surface water as it collects onsite (including sampling, treatment, and discharge), clean concrete and asphalt surfaces that currently impact surface water, establish and implement a long term. plan/recommendation for surface water management including possibly construction of an asphalt cap.

ASTs: sampling, handling of contents (off site disposal or combination of onsite treatment and off site disposal anticipated), clean tanks, possible dismantling of some tanks and containment structures and remove from site

Soil: Possible further sampling prior to excavation, confirmation sampling, and removal from site or onsite treatment. Installation of asphalt cap if deemed necessary.

C.Next Steps

EPA, ERRS, START, and the USCG Strike Team to continue managing onsite surface water. Continued data management including for all non- oil filter drums. Continued treatment of Baker Tank water, ship some of it off site. Discharge treated contact and non contact water to the Tacoma Sanitary Sewer, in accordance with the Special Approved Discharge (SAD). Decontaminate Baker Tanks as they are emptied and return them to the vendor.

D.Key Issues

Security Off Duty City of Tacoma Police continue with site security.

Discharge of non contact waters Non contact waters being treated on site.

Emergency discharges have ceased.

Management of contact water; Contact surface water (that which falls with in the secondary containment structures) is being pumped into temporary storage tanks (Baker Tanks). This water will has been analyzed and some of it is being treated and discharged and some is being disposed off site. Performing both tasks simultaneously will reduce the length of time required to accomplish this task, reduce the associated costs, such as Baker Tank rental fees, and remove the threat of a release.

Drum/Container Waste; Generators of site waste stored in drums/containers will have the opportunity dispose of their wastes.

V. Cost Information

Estimated costs are summarized below

	Established Ceiling	Estimated Costs as of date listed
EPA	\$ 150,000	\$34,160 (3/26)
START	\$ 350,000	\$154,551 (3/26)
ERRS	\$ 2,100,000	\$971,536 (3/23)
Coast Guard	\$ 100,000	\$63,804 (3/26)
Total	\$ 2,700,000	1,224,051

Note: The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI Disposition of Wastes

Waste Stream	Medium	Quantity	Containment-Migration Control	Treatment	Disposal
Used Oil Filters	solid and solidified waste	270 cu yd	placed liners in reliefs	removed oil filters from 55 gallon drums and consolidated in reliefs	Waste Management delivered to Olympic View Sanitary Landfill
Used Oil Filter Drums	solid waste	120 cu yd	placed liners in reliefs	crushed drums with an excavator to reduce volume	Phillips Services Corp. Delivered to Bethlehem Steel for recycling.
Used RCRA Drums	solid waste	164 cu yd	placed liners in reliefs	crushed drums with an excavator to reduce volume	Phillips Services Corp. Delivered to Columbia Ridge Landfill.
Generator Drums	sledges and liquids	570 drums and 12 totes	NA	generators contracted with TSDs to properly manage their waste	Brought to various disposal companies
Oily Debris	solidified waste	20 cu yd	placed liners in reliefs	consolidated in reliefs	Phillips Services Corp. delivered to Olympic View Sanitary Landfill
Contact Rain Water	liquid	319,708 gal	contained in Baker Tanks	Emerald Petroleum Services (EPS) water treatment plant	EPS, to City of Tacoma Sanitary Sewer
Contact Rain Water	liquid	123,400 gal	contained in Baker Tanks	Phillips Services Corp. water treatment plant	Phillips Services Corp. to City of Tacoma Sanitary Sewer
Contact Rain Water	liquid	160,000 gal	contained in Baker Tanks	treated on site with temporary waste water treatment system	to City of Tacoma Sanitary Sewer
Baker Tanks	solid	Tank	NA	pressure washed, and wiped down	returned to Vendor (Baker Tanks, Inc.)
Tip Trailers	solid	11 trailers	NA	transported off site to make room for other activities	temporarily stored at the Phillips Services Corp. facility adjacent to the site
Oil From Drums	liquid	105 drums + 4 totes		a 6,000 gallon poly tank on site	to be determined
Antifreeze from Drums	liquid	65 drums	Bulked into Baker Tank # 18	transported by Spencer	Delivered to Onyx for recycling
Tank 1 Oily Water	liquid	1,500 gal	Bulked into Baker Tank #10	transportation to be determined	to be determined
Tank 1 Layer 1	liquid	73,225 gal	Transferred to Vac Truck	transported by EPS	Delivered to EPS for recycling
Tank 1 Layer 2	liquid	34,437 gal	Transferred to Vac Truck	transported by Phillips Services Corp.	Delivered to Phillips Services Corp. For recycling

A-Fuel/Solvent from Drums	liquid	3,000 gal	Bulked into Baker Tank #9	transportation to be determined	to be determined
Waste Stream	Medium	Quantity	Containment-Migration Control	Treatment	Disposal
Glycol From Drums	liquid	5,000 gal	Bulked into Baker Tank #18	transportation to be determined	to be determined

VII Distribution

To: EPA Headquarters, Washington, D.C. Attention: Terry By
 EPA Region 10, Emergency Response Unit, Attention: Chris Field
 EPA Washington Operations Office, Attention: Julie Hagensen
 Puyallup Tribe of Indians, Tacoma, Attention: Joe Edgell
 Washington State Department of Ecology, Attention: Jim Sachet
 City of Tacoma Public Works Department, Attention: Michael Kennedy
 EPA Region 10 Web page, Attention: Beth Kunz
 EPA Region 10, Emergency Response Unit, Attention: OSCs

VII Status

Case Pending.